

1. IDENTIFICATION

Product Identifier

Product Name RAMEX
Chemical Name Solvent degreaser

Recommended use of the chemical and restrictions on use

Recommended use Degreasing applications
Restrictions on use For industrial use only

Supplier details

West Penetone Inc.
11411-160 Street
Edmonton, AB,
T5M3T7
Tel: 780-454-3919

Emergency Telephone Number

Canutec 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

2. HAZARDS IDENTIFICATION

Classification

Flammable liquids	Category 3
Acute toxicity, inhalation - vapors	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity – single exposure	Category 3
Specific target organ toxicity – repeated exposure	Category 2
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 2

Label Elements

DANGER

Hazard Statements

Flammable liquid and vapor
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause respiratory irritation
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Toxic to aquatic life



Precautionary Statements - Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep container tightly closed.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Wash face, hands and any exposed skin thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 IF exposed or concerned: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
 In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.

Precautionary Statements - Storage

Store in a well ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Stoddard solvent*	8052-41-3	60-100
1,2,4- trimethylbenzene	95-63-6	3-7
solvent naphtha (petroleum) light aromatic	64742-95-6	3-7
xylene**	1330-20-7	1-5
alcohols, C9-C11, ethoxylated	68439-46-3	1-5
mesitylene	108-67-8	0.5-1.5
dipropylene glycol monomethyl ether	34590-94-8	0.5-1.5

HAZARDOUS INGREDIENT(S) CONTAINED IN COMPLEX SUBSTANCES

*nonane	111-84-2	1-5
**ethylbenzene	100-41-4	1-5
*naphthalene	91-20-3	0.1-1.0

4. FIRST AID MEASURES

Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Most important symptoms and effects, both acute and delayed

Contact with eyes may cause serious eye irritation leading to discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva. Contact with skin may cause irritation with local redness and possible dermatitis with prolonged or repeated exposure. Inhalation of mist/vapors/spray may cause respiratory tract irritation leading to a temporary burning sensation of the nose and throat, coughing, and difficulty breathing. High concentrations may cause central nervous system depression leading to headaches, dizziness, and nausea. Ingestion may cause irritation or a burning sensation of the mouth and throat and abdominal pain. Aspiration into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. See Section 2 for delayed effects.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

High-volume water jet.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen, sulfur and other irritating gases.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove all sources of ignition. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush the area with water. For large spills, stop flow of material, prevent product from entering drains, and pump off product where this is without risk and possible. Proceed as above.

7. HANDLING AND STORAGE

Precautions for Safe Handling**Handling**

Avoid contact with and inhalation of mist/vapors/spray. Avoid contact with skin, eyes and clothing. Ensure thorough ventilation of work areas. Use recommended personal protective equipment.

Conditions for safe storage, including any incompatibilities**Storage**

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

Incompatible Materials

Acids, strong oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Stoddard solvent 8052-41-3	TWA: 100 ppm TLV	TWA: 100 ppm/525 mg/m ³	20000 mg/m ³
1,2,4-trimethylbenzene 95-63-6	Not available	Not available	25 ppm (REL)
solvent naphtha (petroleum) light aromatic 64742-95-6	Not available	TWA: 500 ppm/2000mg/m ³	Not available
xylene 1330-20-7	TWA: 100 ppm/434 mg/m ³ STEL: 150 ppm/651 mg/m ³	TWA: 100 ppm/435 mg/m ³ STEL: 150 ppm/655 mg/m ³	Not available
mesitylene 108-67-8	Not available	Not available	25 ppm (REL)
dipropylene glycol monomethyl ether 34590-94-8	TWA: 100 ppm, skin STEL: 150 ppm, skin	Z-1 TWA: 600 mg/m ³ , 100 ppm, skin	Not available

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eyewash facilities and emergency shower must be made available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side shields or goggles. Face shield where handling may produce splashing hazards.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear, yellow liquid

ODOR:

Solvent

ODOR THRESHOLD:

Not applicable

pH:

Not applicable

MELTING POINT / FREEZING POINT:

Approx. -34°C (-29°F)

BOILING POINT/BOILING RANGE:

140.8°C (285°F)

FLASH POINT:

49°C / 120°F (TCC)

EVAPORATION RATE, water = 1:

>1

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C (68°F):

Not available

VAPOR DENSITY (Air = 1):

Not available

RELATIVE DENSITY AT 20°C (68°F):

0.800-0.810

SOLUBILITY IN WATER:

Forms emulsion

PARTITION COEFFICIENT, N-OCTANOL/WATER:

Not available

AUTO-IGNITION TEMPERATURE:

Not available

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

FLAMMABLE LIMITS:

UPPER: Not available **LOWER:** Not available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

Avoid all sources of ignition: heat/open flame/hot surfaces. Store away from incompatible materials.

Incompatible Materials

Acids, strong oxidizing materials.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases and vapors such as oxides of carbon, nitrogen, and sulfur as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

ATE_{mix} – LD50 oral – approx. ≥4912 mg/kg (rat), LD50 dermal – approx. >2924 mg/kg (rabbit), LC50 inhalation-vapors – approx. ≥15 mg/L – 4 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Stoddard solvent 8052-41-3	5000 mg/kg (rat)	>3000 mg/kg (rabbit)	>14.1 mg/L/>5500 mg/m ³ (rat) – 4 h
1,2,4-trimethylbenzene 95-63-6	5000 mg/kg (rat)	Not listed	18 mg/L (rat) – 4 h
solvent naphtha (petroleum) light aromatic 64742-95-6	8400 mg/kg (rat)	>2000 mg/kg (rabbit)	3400 ppm/>5.2 mg/L (rat) – 4 h
xylene 1330-20-7	3500-4300 mg/kg (rat)	>2000 mg/kg (rabbit)	>20 mg/L (rat) – 4 h 5000 ppm (rat) – 4 h
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
mesitylene 108-67-8	5000 mg/kg (rat)	Not listed	24 mg/L (rat) – 4 h
dipropylene glycol monomethyl ether 34590-94-8	>5000 mg/kg (rat)	9510 mg/kg (rabbit)	NOEC 3.35 mg/L, 7 h, vapor (rat)

Information on likely sources of exposure

Ingestion	May be harmful if swallowed.
Skin corrosion/irritation	Causes skin irritation and possible dermatitis.
Inhalation	May cause respiratory irritation and possible damage
Serious eye damage/irritation	Causes serious eye irritation.

Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization	Not a sensitizer.	
Germ cell mutagenicity	No information available.	
Carcinogenicity	ethylbenzene (CAS 100-41-4) naphthalene (CAS 91-20-3)	2 Suspected human carcinogen 2 Suspected human carcinogen
Reproductive toxicity	xylene (CAS 1330-20-7)	2 Suspect human reproductive toxicant
STOT - single exposure	Stoddard solvent (CAS 8052-41-3) solvent naphtha (petroleum) light aromatic (CAS 64742-95-6) xylene (CAS 1330-20-7)	3 May cause respiratory irritation 3 May cause respiratory irritation 3 May cause respiratory irritation
STOT - repeated exposure	Stoddard solvent (CAS 8052-41-3) xylene (CAS 1330-20-7)	2 May cause dermatitis 2 May cause dermatitis
Aspiration Hazard	Stoddard solvent (CAS 8052-41-3) solvent naphtha (petroleum) light aromatic (CAS 64742-95-6) xylene (CAS 1330-20-7)	2 May cause dermatitis and TO damage 1 May be fatal if swallowed and enters airways 1 May be fatal if swallowed and enters airways 1 May be fatal if swallowed and enters airways

Symptoms related to the physical, chemical and toxicological characteristics

Skin and eye irritation. Ingestion may cause irritation or a burning sensation of the mouth and throat, abdominal pain accompanied by nausea, vomiting, and diarrhea. Inhalation may cause irritation of nose, mouth, and upper respiratory tract, coughing, difficulty breathing, as well as headaches dizziness or nausea at high concentrations.

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical Name	Fish	Waterflea	Algae
solvent naphtha (petroleum) light aromatic 64742-95-6	9.22 mg/L: 96 h rainbow trout LC50	Not available	Not available
xylene 1330-20-7	1-10 mg/L: 96 h LC50	1-10 mg/L: 48 h EC50	1-10 mg/L: 72 h EC50
alcohols, C9-C11, ethoxylated 68439-46-3	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
dipropylene glycol monomethyl ether 34590-94-8	>1000 mg/L: 96 h poecilia reticulata LC50	1919 mg/L: 48 h daphnia magna LC50	>969 mg/L: 96 h green algae ErC50

Persistence and degradability

Expected to be readily biodegradable.

Bioaccumulative potential

Accumulation in organisms is not to be expected.

Mobility in soil

No information available

Other adverse effects

Do not release untreated into natural waters. No other adverse environmental effects are expected.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

UN Number: 3295
UN Proper Shipping Name: Hydrocarbons, Liquid, N.O.S. (mineral spirits)
Transport Hazard Class(es):
Class: TDG: 3
US DOT: 3
IMDG: 3
Label(s): 3
Packing Group: III
Marine Pollutant: No

Special precautions for user: None established

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:
Not determined

15. REGULATORY INFORMATION

Canada (DSL/NDSL)

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

United States (TSCA)

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

HMIS Information:

Health: 2
Flammability: 2
Reactivity: 0

16. OTHER INFORMATION**Preparation Date**

7 November 2016

Revision Date

16 April 2018

Revision Note**Revision 2** - Modifications to Section 1, 7, 11, 14, 15**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS